

Easy-MOVE: Damage Free White Goods Handling

with BOLZONI AURAMO



White goods are one of the most demanding cargo commodities requiring specialized lift truck attachments.

Washing machines, refrigerators, LCD displays and ovens are prone to handling damage. These are difficult to handle and have a considerable unit value. Furthermore the transport chain of white products is often very long and it is essential to use well-chosen, well-maintained dedicated equipment to handle them.

Damage-Free Made Possible.

The Easy-MOVE Bolzoni Auramo home appliance and carton clamp system represents a state-of-the-art equipment for all white goods manufacturers, logistic operators and 3PLs who want to grant a totally damage free handling, with forklift truck, of all items packaged in cardboard boxes.

Automated Clamping Pressure Control.

Bolzoni Auramo has come up with an outstanding proposal of integrated Laser Sensors Solutions for the automatic clamping pressure control reducing to zero the responsibility of truck drivers for wrong handling and squeezing.

Thanks to the new implemented technology, it's possible to have the same ease of use of a conventional clamp.



LIFT TRUCK ATTACHMENTS - FORKS - LIFT TABLES

Easy-Move Intelligent System

The Easy-Move Intelligent System uses laser sensors installed in a fully protected position on board of the clamp. The system is driven by the number and dimensions of the unit loads (boxes) between the arms. Through these inputs the correct clamping pressure is set by means of a proportional pressure relief valve.

The micro-control can be connected via USB to Bolzoni configuration tablet and through an easy procedure (touchscreen based) the operator can adjust the handling and load parameters, recalibrate the sensors if necessary, associate the opening ranges to the required pressure levels and possibly recalibrate them in case of introduction of new loading scheme.

Easy MOVE is the perfect attachment for 3PLs. In fact, this system does not require any additional competence and knowledge from truck driver. It is also possible to switch to single pressure manual mode.

Find out more on the Bolzoni Auramo clamping force control devices.



Complete Set of Pressure Control Devices

Bolzoni Auramo has a complete set of pressure control devices, such as the Four Point Clamping Force Tester. All carton clamps are tested as standard ex factory, and delivered with a defined set up of a single imposed pressure value.

Ask for our references on white and brown goods handling or to organize a demo unit at your premises.



New Option: Tablet

As standard, all clamps are ex factory preset with load and pressure parameters agreed with the customer.

In case the load parameters have to be updated, as the load has changes, dimensions, configuration, well, the end user, and the truck dealer have two possibilities:

- to exploit expertise and capability of Bolzoni Auramo personnel to make final adjustments and/or future modifications on pressure parameters on site,
- or to become completely independent and autonomous for clamp set up change with a dedicated Bolzoni Auramo tablet.

With a dedicated tablet, supplied by Bolzoni Auramo, the end user can adjust pressure parameters, through an user friendly interface: adjust opening range, pressure values, to calibrate sensors and to set the clamp in manual mode.



The Easy-MOVE USP

This system is of great support to the operator, as for him there is no need of additional knowledge, like driving the forklift truck with a completely conventional clamp. Meanwhile, this system leaves no responsibility left to the truck driver on pressure control.

The clamp always works at maximum speed until 5 cm from the load. The Easy-

MOVE system doesn't have the typical waiting time of other intelligent clamps while reading the load configurations.

Maintenance requirements are down to the bone. It is advised to regularly clean the sensor lens, with a dry and soft rag. Sensors are placed in a protected area (not on the pads), therefore these are never prone to damage.

Wide Range of Cartons: Wide Range of Clamps

The Bolzoni Auramo carton clamps range is the result of a great commitment and investment in providing an extensive industry solution targeted to generate tangible savings and assets for the end user.

Each product or load schema requires an individually adjusted clamping force and pads configuration. This is the reason why Bolzoni Auramo designed a wide range of

carton clamps customized for each specific end user's demand including:

- Rigid arms version
- Single and double oscillating version
- Tilting version
- Rotating version
- Single oscillating version with Force Balance



1 Laser detector
Laser sensor for upper row to detect presence of boxes in the upper part of the pads.



2 Accumulator
Stabilizes the clamping pressure avoiding unwanted peaks of pressure, potentially dangerous for the load.



Set up Tablet
Controls the parameters of the pressure configuration based on opening ranges.



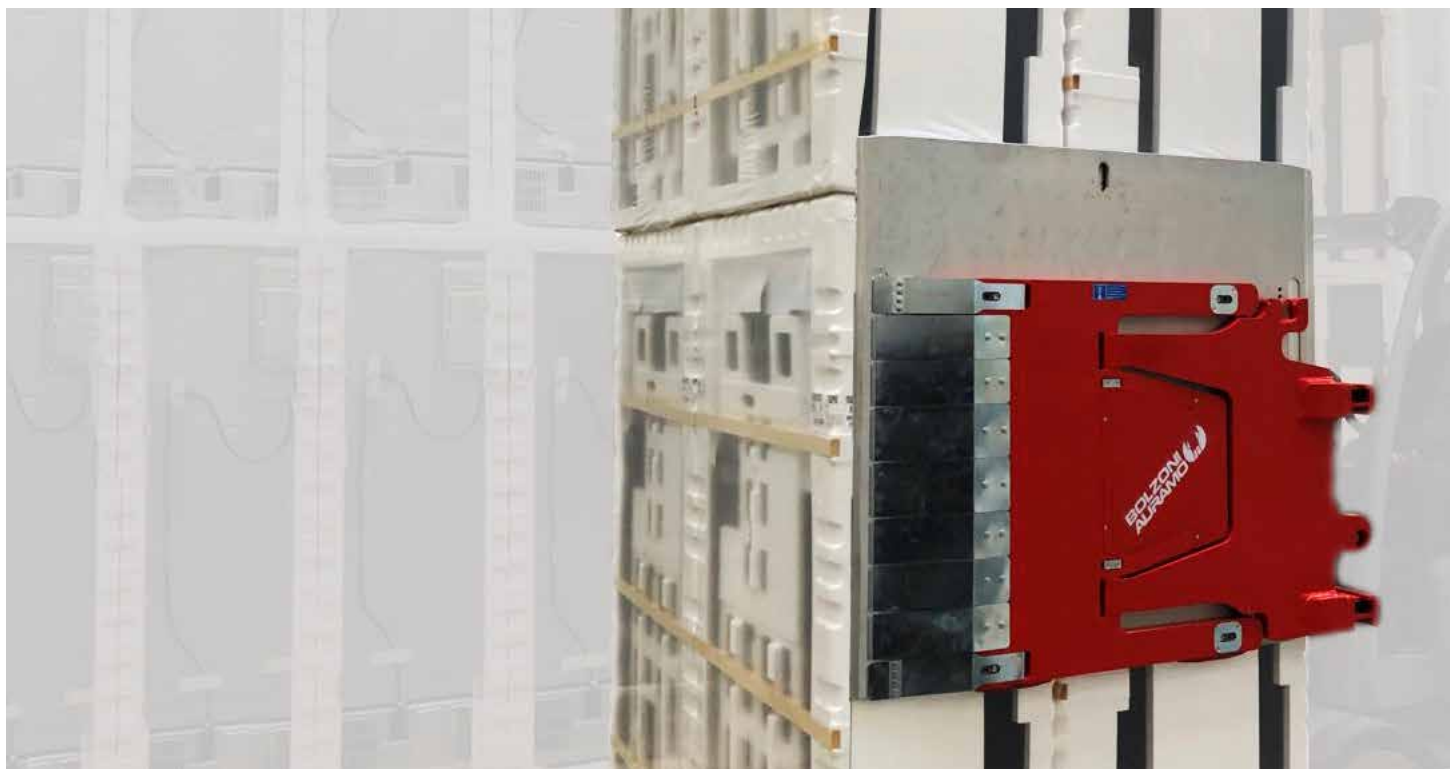
5 Opening laser sensor
Detect the opening of the clamp and position of the arm



4 Depth load engagement sensors
Detect type and configuration of the load in depth/height and the distance from the clamp body.



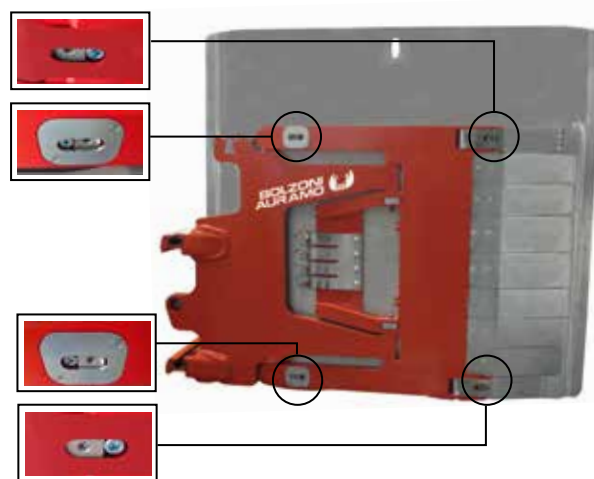
3 Proportional valve
Commands the hydraulic pressure in the clamping cylinders.



ForceBalance Pad

This patented Bolzoni Auramo system allows perfect distribution of the clamping force over the arms' surface thanks to the user friendly registration of four thread screws that impact on the arm camber. This system has been tested and implemented for a long period in cooperation with one of the main distribution centers in Italy working 24/7. This pad configuration performed to be more resistant to mechanical deformations, in comparison to most of competitors' clamps after a long period of use.

BOLZONI is one of the worldwide leading manufacturers of lift truck attachments, forks and lift tables. The company has manufacturing plants in Italy, Germany, Finland, America and China and through its network of direct branches and independent dealers covering all continents it is able to satisfy all market requirements.



BOLZONI AURAMO serve material handling industries in the areas of forest products, white goods, logistics, food and beverage, chemistry, steel, automotive and many others. Robust products, with superior visibility, handle loads efficiently, safely and damage free. The BOLZONI Group is totally committed to continuous quality improvements, providing excellence to customers worldwide. For more information on Bolzoni Auramo products, please visit our website us.bolzonigroup.com and contact us at insidesales@bolzonauramo-usa.com , or contact the nearest Bolzoni Auramo representative.